

OJT Training Module Cover Sheet

Title: 404 MSDS-How to use the Material Safety Data Sheet for soil survey offices.

Type: Skill Knowledge

Performance Objective: Trainee will be able to:

- Use the material safety data sheets for all chemicals used in the soil survey office laboratory.
- Maintain a safe environment for use of chemicals in the soil survey office laboratory.

Target Proficiency:

- Awareness Understanding Perform w/ Supervision
 Apply Independently Proficiency, can teach others

Trainer Preparation:

Have example MSDS available for review and discussion.

Special Requirements:

Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.

Prerequisite Modules:

- 403 MSDS-Understand the purpose of the Material Safety Data Sheet for soil survey offices

Notes:

None

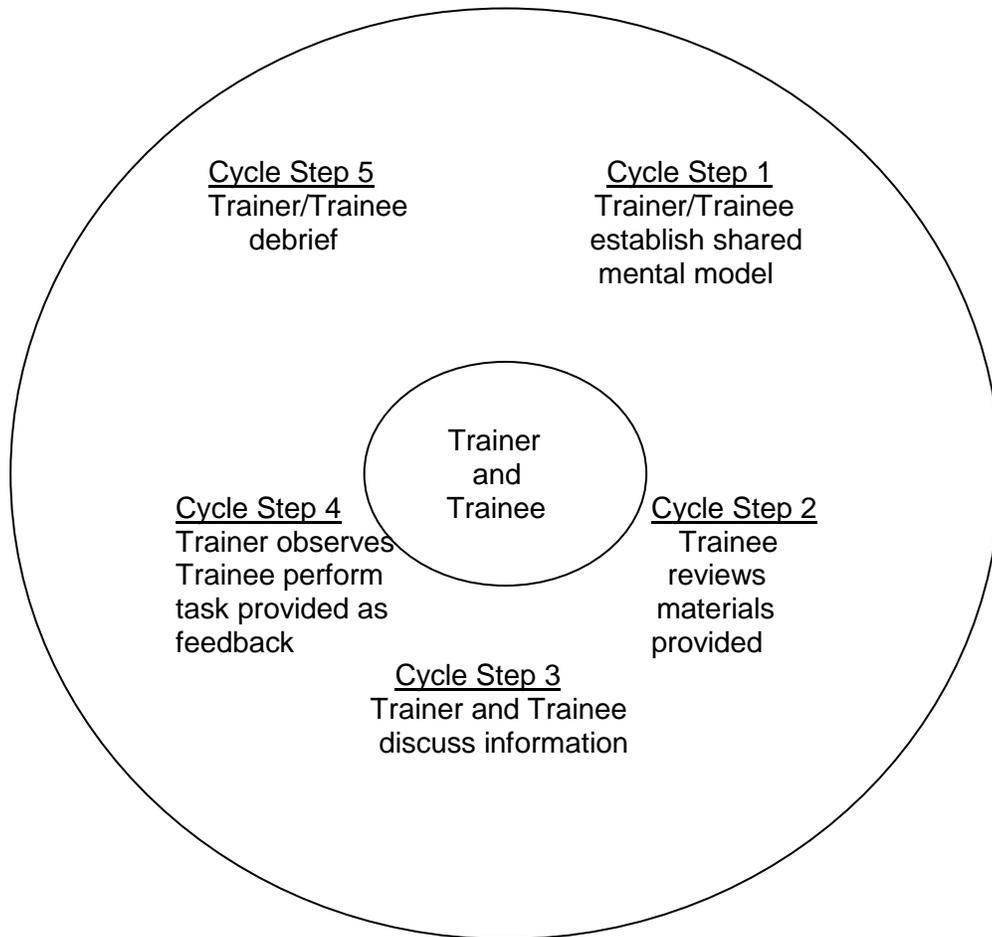
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The Five-Step OJT Cycle for Declarative Training (Knowledge)



OJT Module Lesson

Title: **404 MSDS-How to use the Material Safety Data Sheet for soil survey offices.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	Trainer and trainee review objectives of module.
Cycle step 2	Review the attached MSDS Interpretation.pdf and AcetoneMSDS.pdf files and any example MSDS supplied by the trainer.
Cycle step 3	Discuss the different sections of an example MSDS, where specific information is found and what it means.
Cycle step 4	Have the trainee find the MSDS for one of the chemicals in the soil survey office laboratory and ask the following: <ul style="list-style-type: none">• What is the proper method for storing this chemical?• How should this chemical be disposed of?• What are the potential health effects associated with this chemical?• What are the appropriate first-aid measures if this substance is accidentally inhaled, ingested, or absorbed?
Cycle step 5	Trainer can debrief trainee and address any concerns.

OJT Module Lesson Measurement of Learning

Title: **404 MSDS-How to use the Material Safety Data Sheet (MSDS) for soil survey offices.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Trainee's learning is measured.	Have the trainee complete the attached quiz below using the AcetoneMSDS.pdf file to reinforce the concepts in this module.
Apply knowledge gained to work.	The trainee can read and interpret the information on the MSDS for a given chemical. The trainee can understand precautions required when handling a given chemical.

SF-182

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.

Quiz

Use the MSDS for Acetone provided by Fisher Scientific (AcetoneMSDS.pdf attached to this module) to answer the questions below.

1. True or False? According to the MSDS for Acetone, synonyms for Acetone include dimethylketone and 2-propanone.
2. True or False? Acetone should be stored in the flammables area.
3. True or False? As a regulated substance under the Clean Air Act, acetone does not contain any hazardous air pollutants.
4. Acetone may produce which of the following potential health effects?
 - A) Produces redness and tearing of the eye.
 - B) May be absorbed through the skin.
 - C) May cause coma and death due to respiratory failure if ingested.
 - D) May cause motor incoordination and speech abnormalities.
5. Oral administration of acetone to rats has a Lethal Dose₅₀ at a concentration of?
 - A) 5340 mg/kg.
 - B) 5800 mg/kg.